

SEQUENCE LISTING

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<110> Lane, David

.
Bottger, Volker

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Bottger, Angelica

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Picksley, Stephen

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Chene, Patrick

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Hochkeppel, Heinz-Kurt

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Garcia-Echeverria, Carlos

.
Furet, Pascal

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<120> Inhibitors of the Interaction of P53 and MDM2

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<130> 4-20937/A/PCT

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.
<141> 1999-01-05

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<150> PCT/EP97/03549

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<151> 1997-07-04

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<160> 83

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<170> PatentIn Ver. 2.0

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6592E0 "F/E/T/260

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<223> x = proline, leucine, glutamic acid, cysteine or
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<223> x = arginine, asparagine, alanine, threonine or
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<223> X = methionine, isoleucine, threonine, arginine,
alanine or serine

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<223> X= arginine, histidine, glutamic acid, cysteine,

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009220" T 4E4T 260

serine or preferably aspartic acid.

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<223> X = histidine, phenylalanine or preferably
tyrosine

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phenylalanine or serine

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aspartic acid

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<223> C = phenylalanine, glutamine or preferably leucine

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<400> 5

Xaa Xaa Phe Xaa Xaa Xaa Trp Xaa Xaa Xaa

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0692E0" T/E/T260

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669260" T4E4260


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tyrosine

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Phe Xaa Xaa Xaa Trp Xaa Xaa Xaa

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<210> 11

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phenylalanine or serine, preferably glutamic acid.

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leucine.

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Pro Thr Phe Ser Asp Tyr Trp Pro

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Arg Phe Met Asp Tyr Trp Glu Gly Leu

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66920" TLE4T260

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66992E0" T/EH260


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6692E0" T/E/T/260

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009250 "LEAF260

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66922E0" T / E H T 260

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<223> X = Pro-NH₂

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6692E0"1/ETH260

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6692E0" T/ETH260

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<223> X = His-NH2
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00922E0" T ZET 260

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<223> X = Asn-NH2

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Met Pro Arg Phe Met Asp Tyr Trp Glu Gly Leu Xaa

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009220" T2E4T260

Xaa Gly Gln Pro Thr Phe Ser Asp Tyr Trp Lys Leu Leu Xaa

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<223> X = Ac-Cys

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Xaa Gly Pro Thr Phe Ser Asp Leu Trp Xaa
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669220 "T/E4T260

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Xaa Gly Pro Thr Phe Ser Asp Leu Trp Xaa

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669220 "T/EH260

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Xaa Pro Thr Phe Ser Asp Leu Trp Xaa

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669260 "T/E/T/260

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Xaa Pro Thr Phe Ser Asp Leu Trp Xaa

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6692E0.7/E4T260

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Xaa Gly Ser Gly Gln Glu Thr Phe Ser Asp Leu Trp Lys Leu Leu Xaa

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<223> X = Pro-NH2

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Xaa Gly Ser Gly Gln Pro Thr Phe Ser Asp Leu Trp Lys Leu Leu Xaa

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669220" TLEH260

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<210> 41

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<223> X = Pro-NH2

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6692E0 "T/E/T/260"

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Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Xaa

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Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys

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15

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.
<400> 45
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Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Leu Ala Pro
.
1           5           10           15
.
.
.
<210> 46
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<211> 8
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<212> PRT
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<213> Artificial Sequence
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<223> Description of Artificial Sequence:peptide
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<220>
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<221> VARIANT
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<222> (1)
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<223> X = Ac-Cys
.
.
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<222> (8)
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<223> X = Cys-NH2
.
.
<400> 46
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Xaa Thr Phe Ser Asp Tyr Trp Xaa
.
1           5
.

```

6693E0"TFET260

```

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<210> 47
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<211> 8
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<212> PRT
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<213> Artificial Sequence
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<220>
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<222> (1)
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<223> X = Ac-Cys
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<222> (8)
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<223> X = Cys-NH2
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.
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<400> 47
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Xaa Thr Phe Ser Asp Tyr Trp Xaa
.
1 5
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.
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<210> 48
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<211> 8
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<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence:peptide

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<222> (8)

<223> X = Cys-NH2

<400> 48

Xaa Ala Phe Thr His Tyr Trp Xaa

1 5

<210> 49

<211> 8

<212> PRT

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66922E0" T.2E-HTE260

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<223> X = Ac-Cys

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<220>

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<221> VARIANT

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<222> (8)

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<223> X = Cys-NH2

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.

<400> 49

.

Xaa Ala Phe Thr His Tyr Trp Xaa

.

1

5

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.

.

<210> 50

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<211> 8

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<212> PRT

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<213> Artificial Sequence

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<220>

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<223> Description of Artificial Sequence:peptide

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<220>

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<221> VARIANT

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092147 032399
669220 "T4E4T260"

<222> (1)

<223> x = Ac-Cys

<220>

<221> VARIANT

<222> (8)

<223> X = Cys-NH2

<400> 50

Xaa Arg Phe Met Asp Tyr Trp Xaa

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<210> 51

<211> 8

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence:peptide

<220>

<221> VARIANT

<222> (1)

<223> X = Ac-Cys

<220>

0592E0"7/EH250

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<220>

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<221> VARIANT

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<222> (8)

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<223> X = Lys-NH2

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<400> 53

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Xaa Arg Phe Met Asp Tyr Trp Xaa

.
1 5

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<210> 54

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<211> 8

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<212> PRT

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<213> Artificial Sequence

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<220>

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<223> Description of Artificial Sequence:peptide

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<221> VARIANT

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<223> X = Ac-Phe

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<220>

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<221> VARIANT

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<222> (3)

6692E0" T.ETH260

<223> Product = Aib

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<220>

<221> VARIANT

<222> (6)

<223> Product = Aib

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<220>

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<222> (8)

<223> X = Leu-NH2

.

<400> 54

Xaa Met Xaa Tyr Trp Xaa Gly Xaa

.

1

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<210> 55

<211> 9

<212> PRT

<213> Artificial Sequence

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<220>

<223> Description of Artificial Sequence:peptide

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<220>

<221> VARIANT

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0544703E0" T2E4T260

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<223> X = Ac-Arg

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.

<220>

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<221> VARIANT

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<222> (4)

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<223> Product = Aib

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.

<220>

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<221> VARIANT

.

<222> (7)

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<223> Product = Aib

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.

<220>

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<221> VARIANT

.

<222> (9)

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<223> X = Leu-NH₂

.

.

<400> 55

.

Xaa Phe Met Xaa Tyr Trp Xaa Gly Xaa

.

1

5

.

.

.

<210> 56

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<211> 9

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<212> PRT

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<213> Artificial Sequence

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004431-03269

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 <220>
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 <221> VARIANT
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 <222> (1)
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 <223> x = Ac-Arg
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 <220>
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 <221> VARIANT
 .
 <222> (4)
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 <223> Product = Aib
 .

.
 <220>
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 <221> VARIANT
 .
 <222> (8)
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 <223> X = Ac3c
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 <221> VARIANT
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 <222> (9)
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 <223> X = Leu-NH2
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 <400> 56

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 Xaa Phe Met Xaa Tyr Trp Glu Xaa Xaa

.
 1

5
 .

6692E0" F E T E 60

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<210> 57

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<211> 8

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<212> PRT

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<213> Artificial Sequence

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<223> Description of Artificial Sequence:peptide

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<223> X = Ac-Phe

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<223> X = Ac3c

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<222> (8)

<223> X = Leu-NH2

<400> 57

Xaa Met Xaa Tyr Trp Xaa Xaa Xaa

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5

<210> 58

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

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<221> VARIANT

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<223> X = Ac-Phe

<220>

0921437-032599
669230-74E4T260

<221> VARIANT

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<222> (3)

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<223> Product = Aib

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<220>

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<221> VARIANT

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<222> (7)

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<223> x = Ac3c

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<221> VARIANT

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<222> (8)

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<223> x = Leu-NH2

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<400> 58

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Xaa Met Xaa Tyr Trp Gln Xaa Xaa

.

1

5

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.

<210> 59

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<211> 9

.

<212> PRT

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<213> Artificial Sequence

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<220>

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<223> Description of Artificial Sequence:peptide

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0924371.032699

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<220>
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<221> VARIANT
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<222> (8)
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<223> x = Leu-NH2
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.
<400> 60
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Xaa Met Asp Tyr Trp Glu Gly Xaa
.
1           5
.

.
.
<210> 61
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<211> 8
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<212> PRT
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<213> Artificial Sequence
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.
<220>
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<223> Description of Artificial Sequence:peptide
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.
<220>
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<222> (1)
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<223> x = Ac-Phe
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<220>
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<221> VARIANT
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<222> (3)
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091431-03260
66920-747260

<223> product = Aib

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<220>

<221> VARIANT

<222> (8)

<223> x = Leu-NH2

<400> 61

Xaa Met Xaa Tyr Trp Glu Gly Xaa

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5

<210> 62

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

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<220>

<221> VARIANT

<222> (1)

<223> x = Ac-Phe

<220>

<221> VARIANT

669200-TEHTE60

<222> (6)

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<223> Product = Aib

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<220>

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<221> VARIANT

.

<222> (8)

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<223> X = Leu-NH2

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<400> 62

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Xaa Met Asp Tyr Trp Xaa Gly Xaa

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5

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.

<210> 63

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<211> 12

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<212> PRT

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<213> Artificial Sequence

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<220>

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<223> Description of Artificial Sequence:peptide

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<400> 63

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Val Gln Asn Phe Ile Asp Tyr Trp Thr Gln Gln Phe

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5

10

.

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<210> 64

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6692ED-TLE4T260

<211> 12

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<212> PRT

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<213> Artificial Sequence

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<220>

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<223> Description of Artificial Sequence:peptide

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<400> 64

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Thr Gly Pro Ala Phe Thr His Tyr Trp Ala Thr Phe

.

1

5

10

.

.

<210> 65

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<211> 14

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<212> PRT

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<213> Artificial Sequence

.

.

<220>

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<223> Description of Artificial Sequence:peptide

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<400> 65

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Ile Asp Arg Ala Pro Thr Phe Arg Asp His Trp Phe Ala Leu

.

1

5

10

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<210> 66

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<211> 15

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669220" T4CT260

<212> PRT

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<220>

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<223> Description of Artificial Sequence:peptide

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<400> 66

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Pro Ala Phe Ser Arg Phe Trp Ser Asp Leu Ser Ala Gly Ala His

.

1

5

10

15

.

.

<210> 67

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<211> 30

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<212> DNA

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<213> Artificial Sequence

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<220>

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<223> Description of Artificial Sequence:primer DNA

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<400> 67

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gcggatccga tggtagaggag caggcaaag

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<210> 68

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<211> 33

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<212> DNA

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<213> Artificial Sequence

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669360 "T E H F 260

<220>

<223> Description of Artificial Sequence:primer DNA

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33

<210> 69

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer DNA

<400> 69

gcctgcagct aggggaaata agttagcaca at

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<210> 70

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer DNA

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gcctgcagct aatcttcttc aaatgaatct gt

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0921437-03699
669290-1437260

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 <210> 71
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 <211> 27
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 <212> DNA
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 <213> Artificial Sequence
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 <220>
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 <223> Description of Artificial Sequence:primer DNA
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 <400> 71

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 ggggatcctg aaatttcctt agctgac

27

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 <211> 29

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 <212> DNA

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 <213> Artificial Sequence
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 <220>

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 <223> Description of Artificial Sequence:primer DNA
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 <400> 72

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 <210> 73

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66922E0" T/E-HF260

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<223> X = Biotin-Ser

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<400> 73

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Xaa Gly Ser Gly Glu Pro Pro Leu Ser Gln Glu Thr Phe Ser Asp Leu

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1

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15

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Trp Lys Leu Leu Pro Glu

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<210> 74

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<212> PRT

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<220>

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<223> Description of Artificial Sequence:peptide

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<400> 74

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Pro Pro Leu Ser Gln Glu Thr Phe Ser Asp Leu Trp Lys Leu Leu Pro

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004471-03220-1-220

1 5 10 15

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Glu Asn

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.

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<210> 75

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<211> 57

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<212> DNA

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<213> Artificial Sequence

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<220>

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<223> Description of Artificial Sequence:primer DNA

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<400> 75

gtccgcctct gagtcaggaa acattttcag acctatggaa actacttcct gaaaacg 57

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<210> 76

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<211> 58

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<212> DNA

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<213> Artificial Sequence

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<220>

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<223> Description of Artificial Sequence:primer DNA

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<400> 76

gaccgttttc aggaagtagt ttccataggt ctgaaaaatg tttcctgact cagaggcg 58

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669220 "T. ZEITZ" 669220

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<210> 77

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<211> 57

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<212> DNA

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<213> Artificial Sequence

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<223> Description of Artificial Sequence:oligomeric DNA

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<210> 78

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<211> 57

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<212> DNA

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<213> Artificial Sequence

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<223> Description of Artificial Sequence:oligomeric DNA

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<400> 78

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gaccgttttc aggaagtagt ttccataggt ctgaaaatgt ttcctgactc agaggcg 57

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<210> 79

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<211> 57

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<212> DNA

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<213> Artificial Sequence

669220-7847260

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<223> Description of Artificial Sequence:oligomeric DNA
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<400> 79

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<210> 80

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<211> 59

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<212> DNA

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<223> Description of Artificial Sequence:oligomeric DNA
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<400> 80

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gaccgttttc attaagaccc tcccaataat ccataaaacg aggcatactc tcagaggcg 59
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<210> 81

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<211> 35

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<212> DNA

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<213> Artificial Sequence
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<223> Description of Artificial Sequence:primer DNA
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6692E0" T&T260

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<210> 82

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer DNA

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29

<210> 83

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:peptide, amin
acid residues 18-23 of human p53

<400> 83

Thr Phe Ser Asp Leu Trp

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5

669220-747260

Sub
B1
Concluded